Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1.   (Previously presented) A method of determining a start of a transmitted frame at a receiver on a frame-based communications network, the method comprising:

providing a preamble format for the transmitted frame wherein a plurality of identical copies of a preamble symbol sequence are transmitted sequentially;

filtering a received transmitted frame using filter coefficients matched to the preamble symbol sequence to provide a correlation sequence;

computing a squared-magnitude of the correlation sequence;

low-pass filtering the squared-magnitude of the correlation sequence to provide a low-pass filtered correlation signal;

delaying the low-pass filtered correlation signal to provide a delayed low-pass filtered correlation signal;

comparing the delayed low-pass filtered correlation signal with the low-pass filtered correlation signal to provide a correlation difference indicator;

comparing the correlation difference indicator with a first fixed predetermined threshold to provide a threshold compared correlation difference indicator;

detecting energy of the received transmitted frame and low-pass filtering the energy to provide a low-pass filtered energy signal;

comparing the low-pass filtered correlation signal with the low-pass filtered energy signal to provide a correlation peak indicator;

comparing the correlation peak indicator with a second fixed predetermined threshold to provide a threshold compared correlation peak indicator; and

forming a logical-AND of the threshold compared correlation difference indicator and the threshold compared correlation peak indicator to determine a match/no match comparison indicative of the start of a transmitted frame.

2.   (Currently amended) The method of Claim 1, wherein the low-pass filtering includes ~~filtering the received transmitted frame using filter coefficients matched to the preamble symbol sequence to provide a correlation sequence and~~ averaging a squared-magnitude of the correlation sequence.

3.   (Previously presented) The method of Claim 2, wherein the filtering is linear matched filtering.

4.   (Previously presented) The method of Claim 2, wherein the filter coefficients are a time-reversed complex-conjugated repeated preamble symbol sequence.

5.   (Previously presented) The method of Claim 4, wherein the time-reversed complex-conjugated repeated preamble symbol sequence is a constant-amplitude zero-autocorrelation sequence.

6.   (Original) The method of Claim 4, wherein the time-reversed complex-conjugated repeated preamble symbol sequence includes complex symbols drawn from a Quadrature Phase Shift Keying or 4-Quadrature Amplitude Modulation constellation.

7.   (Previously presented) The method of Claim 4, wherein the time-reversed complex-conjugated repeated preamble symbol sequence includes 16 symbols repeated at least 3 times with every 4-symbol sub-sequence having a constant amplitude, zero autocorrelation.

8.   Cancelled.

9.   Cancelled.

10.   Cancelled.

11.   Cancelled.

12.   Cancelled.

13.   Cancelled.

Amendments to the Drawings:

The attached sheets of drawings includes changes to Fig. 57. These sheets, which include Fig. 57, replace the original sheet including Fig. 57.

Attachment: Replacement Sheet

                    Annotated Sheet Showing Changes